

What is Claimed is:

1. A tension mask frame assembly for a CRT comprising:

a substantially rectangular mask support frame having a first coefficient of thermal expansion and including a central major axis and a central minor axis perpendicular to each other, said frame having a pair of opposing long sides extending in parallel to the major axis and a pair of opposing short sides extending in parallel to the minor axis each sides having an outer peripheral surface and an inner peripheral surface;

a tension mask supported to said frame at an attachment point along a pair of said opposing sides; and,

a detensioning member fixed along the peripheral surface of at least one of said sides and having a second coefficient of thermal expansion whereby said attachment points are drawn toward each other during thermal cycling of said mask frame assembly.

2. A tension mask support frame assembly of claim 1 wherein said second coefficient of thermal expansion is relatively lower than said first coefficient of thermal expansion along said outer peripheral surface of said long sides and inner peripheral surface of said short sides.

3 A tension mask support frame assembly of claim 1 wherein said second coefficient of thermal expansion is relatively higher than said first coefficient of thermal expansion along said inner peripheral surface of said long side and outer peripheral surface of said short sides.

4. In a cathode ray tube having a tension mask and frame assembly comprising:

a mask mounted in tension on a substantially rectangular frame, said frame having a first coefficient of thermal expansion and including a pair of opposing long sides and short sides disposed at generally a right angle with respect to the long sides with each of said sides connected to form a continuous generally planar frame having an inner and outer peripheral surface; and

a detensioning member having a second coefficient of thermal expansion fixed along the peripheral surface of at least one of said sides wherein said second

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coefficient of thermal expansion of said detensioning member is relatively greater than said first coefficient of thermal expansion fixed along the outer surface of said short side and inner surface of said long sides, and said second coefficient of thermal expansion is relatively lower than said first coefficient of thermal expansion fixed
5 along the inner surface of said short sides and said outer surface of said long sides.

5. The cathode ray tube of claim 4 wherein said frame includes a pair of support blade members, each support blade members having at least one generally central attachment point for attaching each of said support blade members to a pair of said
10 opposing sides of said frame.